

1. General Description: This is a color television set with a built-in stand. It is designed for indoor use and is suitable for all climates. The set is available in two models, one with a 19-inch screen and one with a 21-inch screen. Both models are available in black or silver finishes. The set is powered by AC line voltage and has a built-in antenna. It is designed to be used with a standard 110V power supply. The set is designed to be used with a standard 110V power supply. The set is designed to be used with a standard 110V power supply.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 290 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

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RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102

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owner's manual

5-Inch Color TV/Monitor



RCA

FEATURES

Your RCA 5-Inch Color TV/Monitor uses the latest in solid-state design to give you high-quality picture and sound as well as reliable operation. You can use the TV/Monitor to receive normal television broadcasts or to monitor audio/video equipment's video outputs.

Your TV/Monitor has these features:

Audio/Video Input Jacks — let you connect the TV/Monitor to the outputs of a VCR, camcorder, or other audio/video equipment and monitor while you record or play back your favorite program.

Three Power Sources — let you power the TV/Monitor from internal batteries, standard AC power, or vehicle battery power.

Earphone Jack — lets you listen in privacy.

Telescoping Antenna — lets you receive regular TV broadcasts without an external antenna.

External Antenna Adapter — lets you connect a standard VHF/UHF antenna or CATV cable wire to the TV/Monitor.

Built-In Stand — lets you tilt the TV/Monitor's screen for more comfortable viewing.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

PREPARATION

POWER SOURCES

You can operate the TV/Monitor from any one of three power sources:

- nine alkaline or rechargeable nickel-cadmium batteries
- standard AC power
- vehicle battery power

Using Internal Batteries

When AC power is not available, you can power the TV/Monitor from internally installed batteries. We recommend RadioShack alkaline batteries. You can also use rechargeable nickel-cadmium batteries. Follow these steps to install the batteries.

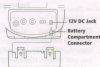
1. Be sure the battery compartment connector is unplugged from the **12V DC** jack.
2. Remove the battery compartment by gently pressing the compartment's two locking latches in the direction of the arrow and lifting it from the TV/Monitor.



3. Install nine D batteries (not supplied) in the battery compartment as indicated

by the polarity symbols (+ and -) marked inside the compartment.

4. Replace the battery compartment.
5. Plug the battery compartment's connector into the TV/Monitor's **12V DC** jack.



Notes:

- When the picture becomes smaller, replace the batteries.
- You cannot recharge nickel-cadmium batteries in the TV/Monitor.

Using AC Power

To use AC power, connect the supplied AC adapter to the TV/Monitor's **12V DC** jack. Then plug the adapter's other end into a standard AC outlet.



Note: Always unplug the AC adapter from the AC outlet before you unplug it from the TV/Monitor.

Using Vehicle Battery Power

You can power the TV/Monitor from your vehicle's cigarette lighter socket using the supplied power cord.

Follow these steps to power the TV/Monitor from your vehicle's battery power.

1. Plug the DC power cord into the TV/Monitor's **12V DC** jack.
2. Insert the DC power cord's other end into your vehicle's cigarette-lighter socket.

Caution: Before plugging the power cord's cigarette-lighter plug into your vehicle's cigarette-lighter socket, make sure the knurled ring is screwed firmly onto the plug. See "Changing the Fuse."

Note: Always unplug the power cord from the cigarette-lighter socket before you unplug it from the TV/Monitor.

Changing the Fuse

If the TV does not work when using vehicle battery power, check the fuse in the DC adapter cord. If the fuse is blown, replace it with a 3-amp fuse.



1. Turn the fuse holder cap counterclockwise and remove it.
2. Remove the blown fuse from the fuse holder.
3. Insert a new 3-amp fuse into the fuse holder.
4. Replace the fuse holder cap and turn it clockwise to secure it.

Caution: Using a fuse with a higher rating might damage your TV/Monitor.

CONNECTIONS

You can receive VHF and UHF broadcast signals by using the built-in telescoping antenna or by connecting an external antenna or CATV cable to the TV/Monitor's **EXT ANT** jack. You can also receive video signals by connecting a VCR, camcorder, or any other audio/video source to the TV/Monitor.

Connecting an Antenna or Cable TV

You can use the built-in telescoping antenna in areas that have a strong TV signal. However, for improved reception, connect a standard outdoor VHF/UHF antenna (not included) to the TV.

Your local RadioShack store has a wide selection of antennas to choose from.

Note: For better reception in your vehicle, you can connect a mobile TV antenna to the TV/Monitor.

If the outdoor antenna wire or CATV cable is 75-ohm coaxial cable, connect the cable to the TV/Monitor's **EXT ANT** jack using an F-to-1/8-inch mini plug adapter, available at your local RadioShack store.

Note: If you are using a CATV selector box, set the band selector to **VHF LOW** and adjust **TUNING** to Channel 3 or 4 to receive cable broadcasts. Check with your CATV system installer for more information about receiving cable broadcasts.

Note to the CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-22 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

If you use 300-ohm twin-lead wire for the antenna, use the supplied 300/75-ohm adapter to connect the wire to the TV.

Connect the wire from the outdoor antenna to the terminals on the adapter's side.



Insert the adapter's plug into the TV/Monitor's **EXT ANT** jack.

Note: The telescoping antenna is automatically disconnected when you connect an external antenna to the TV/Monitor.

Connecting an Audio/Video Component

To receive audio and video signals from a VCR or a camcorder, connect the audio/video component's audio and video outputs to the **AUDIO** and **VIDEO IN** jacks using shielded video cables with phono connectors. See the component's instruction manual for more information about connecting it to a monitor.



Note: Using an audio cable for video connections degrades the system's performance.

USING THE STAND

You can use the built-in stand only when you use AC power or your vehicle's battery power. You must also remove the battery compartment.

1. Remove the battery compartment by gently pressing the compartment's two locking latches in the direction of the arrow and lifting it from the TV/Monitor.



2. Lift the front of the TV/Monitor using the handle and swing the stand away from the TV/Monitor's bottom.



3. To retract the stand, lift the front of the TV/Monitor and swing the stand toward the TV/Monitor's bottom until it locks into place.

OPERATION

USING THE TV/MONITOR AS A TV

Follow these steps to use the TV/Monitor as a standard TV.

1. Set **TV/MONITOR** to **TV**.

TV/MONITOR



2. To turn on the TV/Monitor, turn **VOLUME** to the left until it clicks.

VOLUME



3. Set the band selector for the desired band.



VHF LOW for Channels 2-6.

VHF HIGH for Channels 7-13.

UHF for Channels 14-69.

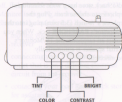
4. Press **TUNING** ▼ or ▲ until the TV/Monitor tunes to a station.



Note: While the TV/Monitor's tuner seeks the next channel, a vertical line appears directly above the channel

number scales (**VHF LOW**, **HIGH**, or **UHF**) and scans the screen. If you press **TUNING** ▼, the vertical line moves down the scale (toward the left); if you press **TUNING** ▲, it moves up the scale (toward the right).

5. To adjust the picture:



- Turn **TINT** to adjust the picture's color hue.
 - Turn **COLOR** to adjust the picture's color intensity.
 - Turn **BRIGHT** to adjust the picture's brightness.
 - Turn **CONTRAST** to adjust the difference between the picture's light and dark areas.
6. To recall the channel you are viewing, press **CHANNEL CALL**.

7. Adjust the telescoping antenna (if used) for the best picture and sound.
8. Adjust **VOLUME** to a comfortable listening level.
9. To turn off the TV/Monitor, turn **VOLUME** to the right until it clicks.

USING HEADPHONES OR AN EARPHONE

To listen in privacy, you need an earphone with a 1/8-inch (3.5 mm) plug (not supplied) or stereo headphones using a stereo-to-mono adapter (not included). Your RadioShack store has a wide selection of earphones to choose from. Plug the earphone's 1/8-inch (3.5 mm) plug into the TV/Monitor's **EARPHONE** jack. When you connect an earphone, the TV/Monitor's internal speaker is automatically disconnected.



Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level

that does not cause discomfort might still damage your hearing.

Using the TV/Monitor as a Monitor

Follow these steps to use the TV/Monitor as a color monitor.

1. Connect the desired audio/video component to the TV/Monitor. See "Connecting an Audio/Video Component" on Page 5.
2. Set **TV/MONITOR** to **MONITOR**.
3. Turn **VOLUME** to the left to turn on the power.
4. Turn on the audio/video component.
5. Adjust **COLOR**, **TINT**, **BRIGHT**, and **CONTRAST** as desired.
6. To turn off the TV/Monitor, turn **VOLUME** to the right until it clicks.

CARE AND MAINTENANCE

Your RCA Color TV/Monitor is an example of superior design and craftsmanship. The following suggestions will help you care for your TV/Monitor so you can enjoy it for years.

- Keep the TV/Monitor dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.

- Handle the TV/Monitor gently and carefully. Dropping it can damage circuit boards and cases and can cause the TV/Monitor to work improperly.
- Use and store the TV/Monitor only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
- Keep the TV/Monitor away from dust and dirt, which can cause premature wear of parts.
- Use only fresh batteries of the recommended size and type. Always remove old or weak batteries. They can leak chemicals that destroy electronic circuits.
- Wipe the TV/Monitor with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the TV/Monitor.

Modifying or tampering with the TV/Monitor's internal components can cause a malfunction and might invalidate your warranty.

TROUBLESHOOTING

This TV/Monitor has been manufactured to the specifications of RadioShack and is covered by a limited warranty from RadioShack. If your TV/Monitor is not operating as it should, take it to your local RadioShack store or call 1-800-THE-SHACK for assistance.

THE FCC WANTS YOU TO KNOW

Your TV/Monitor might cause TV or radio interference even when it is operating properly. To determine whether your TV/Monitor is causing the interference, turn it off. If the interference goes away, your TV/Monitor is causing the interference. Try to eliminate the interference by:

- moving your TV/Monitor away from the receiver
- connecting your TV/Monitor to an outlet that is on a different electrical circuit from the receiver
- contacting your local RadioShack store for assistance

If you cannot eliminate the interference, the FCC requires that you stop using the TV/Monitor.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

SPECIFICATIONS

System	American Standard System and NTSC Color System
Picture Tube	5-Inch
Receiving Channels:	
VHF LOW	Channels 2-6
VHF HIGH	Channels 7-13
UHF	Channels 14-69
Intermediate Frequency:	
Picture	45.75 MHz
Sound	41.25 MHz
Color	42.17 MHz
Maximum Sensitivity:	
VHF	20 μ V
UHF	40 μ V
Tuner	Contactless Electronic Tuner
Antenna	VHF/UHF
	Telescoping Rod Inside Antenna (75 ohms)
	External Antenna Jack (75 ohms)
Power Source	AC 120V, 60 Hz (Using the supplied AC adapter)
	9 D Batteries
	Car Battery, 12-Volt Negative Ground
Output Power	500 mW
Output Impedance	16 ohms
Frequency Response	250-6000 Hz
Total Harmonic Distortion	3%
Speaker	3-Inch Permanent Magnet Dynamic Speaker
Input Level:	
Video	1 VP-P (Ref. Out)
Audio	300 mV (Ref. Out)

When tuning, adjust the volume to a comfortable level.

• The test tones are extremely high-volume levels. Extended high-volume listening can lead to permanent hearing loss.

• Check your set for volume. Do not increase it. Over time, your ears adapt to the volume level, so a volume level

Dimensions (HWD, including battery case) 7 1/2 x 6 1/2 x 10 1/2 inches
(190 x 160 x 266 mm)

Weight (without batteries) 4.4 lbs (2 kg)

Accessories AC Adapter
DC Power Cord
300/75-ohm Adapter

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.